

II. CLAIM AMENDMENTS

1.-16. (Cancelled)

17. (Currently Amended) A method comprising:

determining the positions of a set of at least two alternatives that surround a user on the basis of their direction with respect to the user so that the locations of the positions remain substantially the same with respect to the user irrespective of the location of the user;

recognizing a first movement of a body member of the user to a position-sector on an arcuate area surrounding the user, the sector corresponding to a desired alternative;

recognizing a second movement in the positionsector corresponding to the desired alternative;

in response to the second movement, recognizing a selection of the desired alternative as completed; and

providing the recognized selection as an output,

wherein said positionssectors are ~~sectors on an arcuate area surrounding the user and separated by separating areas arranged to reduce selection errors; and~~

~~wherein said first movement comprises moving a member of the user's body to a certain sector on said arcuate area between two of the separating areas.~~

18. (Currently Amended) A method according to claim 17, further comprising:

indicating at least once the positionssectors corresponding to the alternatives as one of the following:

showing virtual images in each positionsector, showing anthe arcuate area with a plurality of sectors at the level of the user's waist, ~~said sectors corresponding to said positions,~~ and informing the alternative corresponding to a positionsector audiophonically.

19. (Previously Presented) A method according to claim 17, further comprising:

demonstrating the alternative indicated at any given time.

20. (Previously Presented) A method according to claim 17, further comprising:

recognizing the second movement contactlessly.

21. (Previously Presented) A method according to claim 17, wherein the first movement is the movement of the user's hand.

22. (Previously Presented) A method according to claim 17, further comprising:

carrying out a certain first function in response to the output.

23. (Previously Presented) A method according to claim 17, further comprising:

allowing the user to carry out a certain second activity with a specific third movement of the member of the body.

24. (Currently Amended) An apparatus comprising:

a display configured for displaying a set of at least two alternatives that surround a user on the basis of their direction with respect to the user so that the locations of the alternatives remain substantially the same with respect to the user irrespective of the location of the user;

a device configured for recognizing a first movement of a body member of the user to a position-sector on an arcuate area surrounding the user, the sector corresponding to a desired alternative, and the device further configured for recognizing a second movement in the positionsector;

wherein the apparatus is configured for recognizing a selection of the desired alternative in response to the second movement; and includes an output for outputting the recognized selection, and

wherein said display is configured to display the ~~alternatives as~~ sectors on ~~an~~the arcuate area surrounding the user ~~and~~as separated by separating areas arranged to reduce selection errors; ~~and~~

~~wherein the position corresponding to a desired alternative is located on the arcuate area between two of the separating areas.~~

25. (Currently Amended) An apparatus according to claim 24, wherein:

the display is configured for indicating to the user the ~~positions~~sectors corresponding to the alternatives as one of the following:

showing a virtual image in each positionsector, showing ~~an~~the arcuate area with a plurality of sectors at the level of the user's waist, ~~said sectors corresponding said positions,~~ and the apparatus is configured for informing the alternative corresponding to a positionsector audiophonically.

26. (Previously Presented) An apparatus according to claim 24, wherein:

the display is configured for indicating the alternative indicated at any given time.

27. (Currently Amended) An apparatus according to claim 24, wherein:

~~the device configured for recognizing the second movement carried out by the user in the position~~ is configured to recognize the second movement contactlessly.

28. (Previously Presented) An apparatus according to claim 24, wherein:

the first movement is the movement of the user's hand.

29. (Previously Presented) An apparatus according to claim 24, wherein:

the apparatus is configured for carrying out a certain first function in response to the second movement.

30. (Currently Amended) An apparatus according to claim 24, wherein:

the apparatus is configured for carrying out a specific second function in response to ~~the~~ third movement.

31. (Currently Amended) An apparatus according to claim 24, wherein:

the device configured for recognising the second movement in the ~~position~~sector is configured to be attached to the user.

32. (Previously Presented) An apparatus according to claim 24, further comprising at least one of the following: a mobile station, a computer, a television apparatus, a data network browsing device, an electronic book, and an at least partly electronically controlled vehicle.

33. (Cancelled)

34. (Previously Presented) A method according to claim 17, wherein said arcuate area is a selection disc.

35. (Previously Presented) A method according to claim 21, wherein said first movement is a substantially horizontal arcuate movement of the hand to a certain sector of the arcuate area situated substantially in a horizontal plane.

36. (Previously Presented) A method according to claim 35, wherein said second movement is a substantially vertical movement of a hand at said certain sector.

37. (Previously Presented) A method according to claim 35, wherein said second movement is placing a hand into a certain position at said certain sector.

38. (Currently Amended) A method according to claim 17, further comprising:

determining the ~~positions~~sectors corresponding to each alternative in the space surrounding a user also on the basis of their distance with respect to the user.

39. (Cancelled)

40. (Previously Presented) An apparatus according to claim 24, wherein said arcuate area is a selection disc.

41. (Previously Presented) An apparatus according to claim 28, wherein said first movement is a substantially horizontal arcuate movement to a certain sector of a circular area situated substantially in a horizontal plane.

42. (Previously Presented) An apparatus according to claim 41, wherein said second movement is a substantially vertical movement at said certain sector.

43. (Previously Presented) An apparatus according to claim 41, wherein said second movement is a movement into a certain position at said certain sector.

44. (Previously Presented) An apparatus according to claim 24, wherein positions of the alternatives are determined on the basis of their distance with respect to the user.

45. (Currently Amended) A system comprising:

a central unit,

a three dimensional display device,

the central unit comprising a port for communicating positions ~~corresponding to~~ of selection alternatives to the three dimensional display device,

the three dimensional display device being configured to display ~~the positions of the~~ selective alternatives selection alternatives ~~that surround the user~~ on the basis of their direction with respect to ~~the~~ user so that the locations of the selective alternatives remain substantially the same with respect to the user irrespective of the location of the user, said ~~positions being selection alternatives located in~~ sectors on an arcuate area surrounding the user and separated by separating areas arranged to reduce selection errors,

a device configured for recognizing a movement of a body member of the user to one of the ~~positions~~ sectors on said arcuate area between two of the separating areas, and configured for communicating a recognized movement to the central unit,

wherein the central unit being configured to process the selection of an alternative on the basis of the recognized movement.

46. (Previously Presented) A system according to claim 45,

wherein the central unit comprises at least one of the following:

a mobile station, a computer, a television apparatus, a data network browser device, an electronic book, and at least partly electronically controlled vehicle.

47. (Previously Presented) A system according to claim 45, wherein the device configured for recognizing is a camera.

48. (Previously Presented) A system according to claim 45, wherein the device configured for recognizing is a shape tape.

49. (Previously Presented) A system according to claim 45, wherein the arcuate area is a selection disk.

50. (Previously Presented) A system according to claim 45, wherein the three dimensional display device and the device configured for recognizing are comprised in the same unit.

51. (Previously Presented) A system according to claim 45, wherein the three dimensional display device is configured as virtual glasses.

52. (Currently Amended) A user interface comprising:

a display configured for displaying a set of at least two alternatives that surround a user on the basis of their direction with respect to the user so that the locations of the alternatives remain substantially the same with respect to the user irrespective of the location of the user;

a camera configured for recognizing a first movement of a body member of the user to a position sector on an arcuate area surrounding the user, the sector corresponding to a desired alternative, and the camera further configured for recognizing a second movement in the position sector;

a control unit configured for recognizing the carrying out of a selection of the desired alternative in response to the second movement; and

an output for outputting the recognized selection,

~~wherein said display is configured for displaying the alternatives as sectors on an arcuate area surrounding the user and are separated by separation areas arranged to reduce selection errors; and~~

~~wherein the position corresponding to a desired alternative is one of the sectors on the arcuate area.~~

53. (Previously Presented) A method according to claim 17, further comprising making the first movement using a first member of the user's body and making the second movement using a second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.

54. (Previously Presented) An apparatus according to claim 24, wherein said device for recognizing the first and second movements recognizes the movement of a first and second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.

55. (Previously Presented) A system according to claim 45, wherein the device configured for recognizing a movement is configured to recognize a movement of a first and second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.

56. (Previously Presented) A user interface according to claim 52, wherein said camera configured for recognizing the first and second movements is configured to recognize a movement of a first and second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.